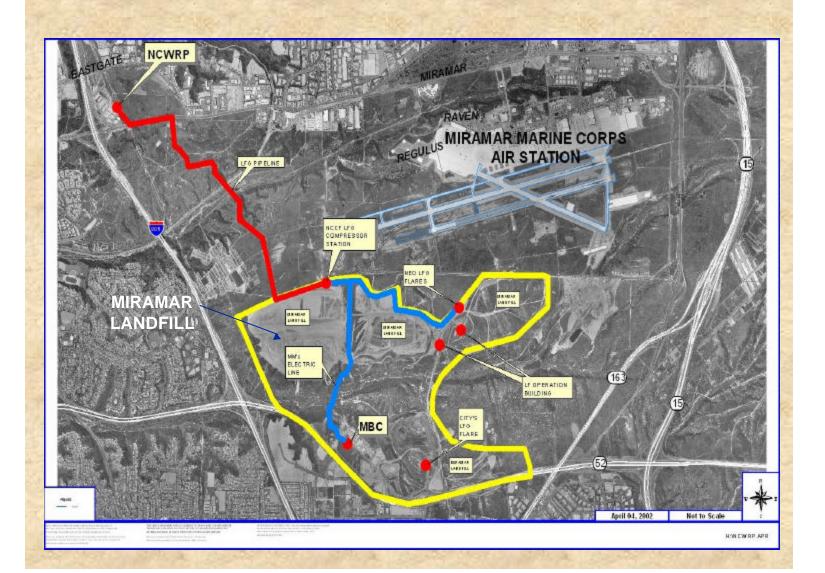


An Energy Efficiency Workshop & Exposition

Palm Springs, California

LEMONS TO LEMONADE

THE MIRAMAR LANDFILL COGENERATION PROJECTS



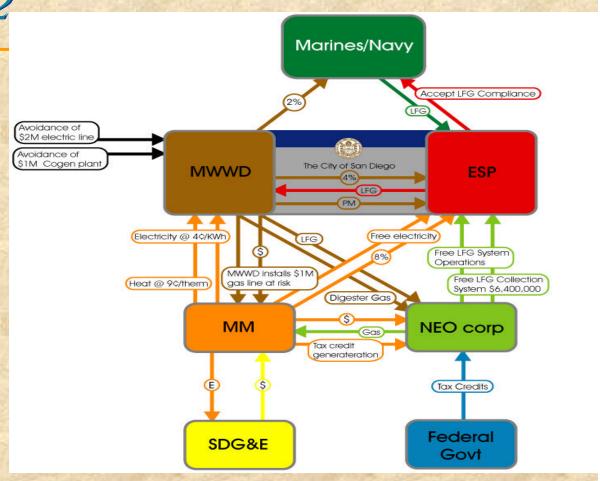


THE LEMONS

- •NAVY HAD THE RESPONSIBLITY FOR THE LFG AND THE APCD VIOLATIONS
- •CITY LEASED AND OPERATED THE LANDFILL
- •BOTH THOUGHT IT WAS THE OTHERS OBLIGATION TO INSTALL THE LFG SYSTEM
- MWWD NEEDED AN "ACCEPTABLE" SITE FOR THE METRO BIOSOLIDS CENTER
- CITY NEEDED MORE LANDFILL SPACE AND RECYCLING CENTERS



THE PARTNERSHIP

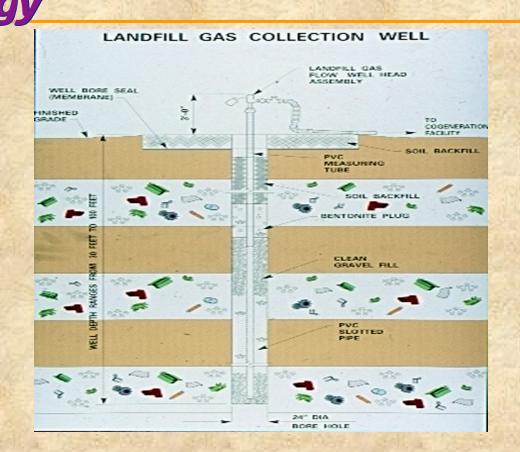




A LFG WELL



LFG WELL CROSS SECTION







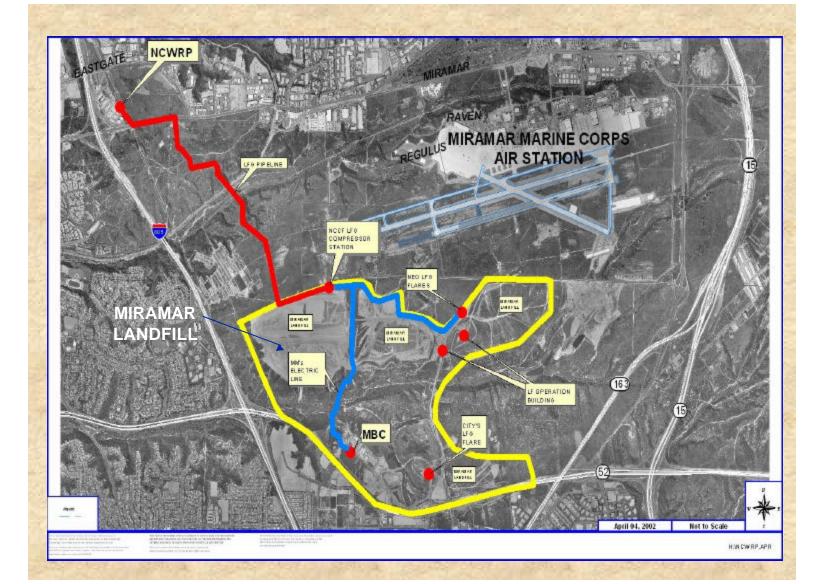






FLARE STATION









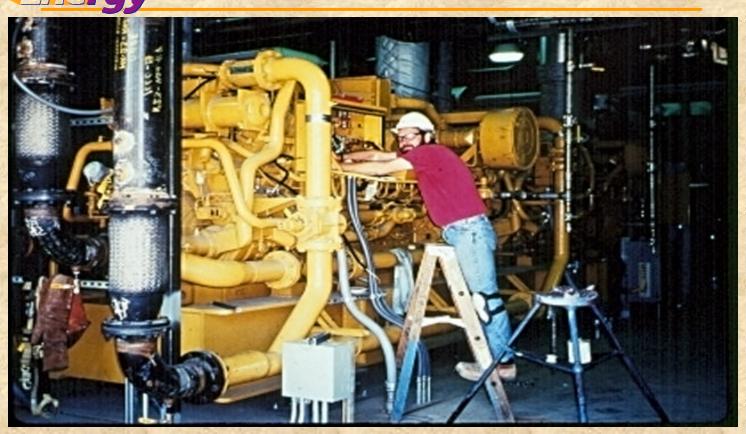


MBC COGENERATION SYSTEM

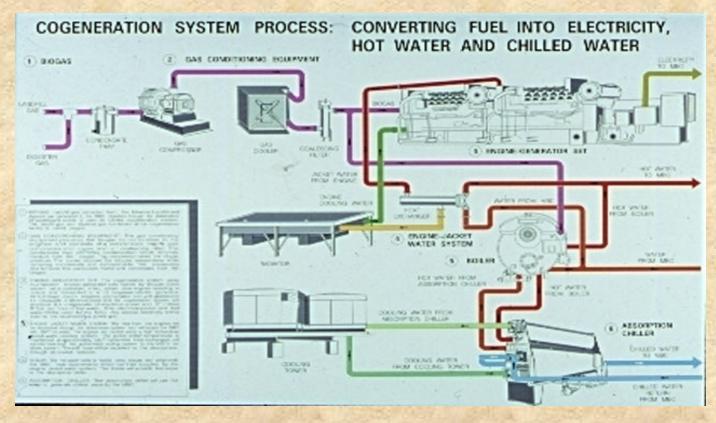




TANDEM CAT 3516 ENGINES





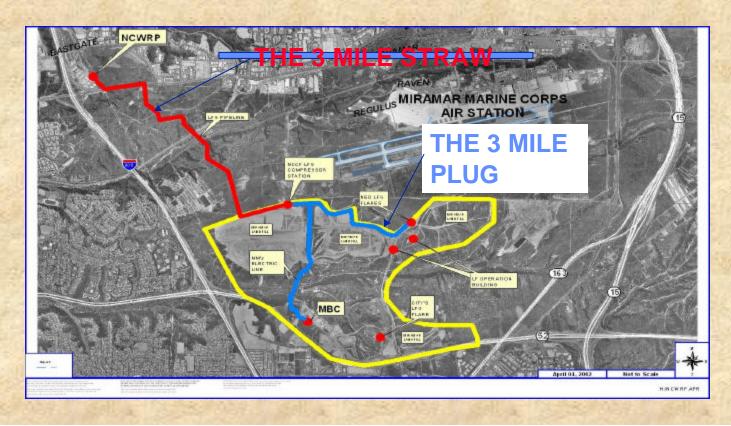




CITY AVOIDED CAPITAL COST OF \$10.4M • MBC CURRENT SAVINGS APPROX. 1.8M/YR MARIANDFILL SAVINGS



NORTH CITY (COGEN) FACILITY



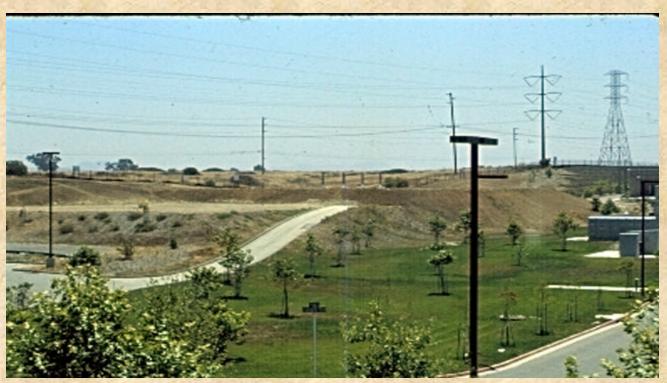
THE NORTH CITY WRP



NCCF

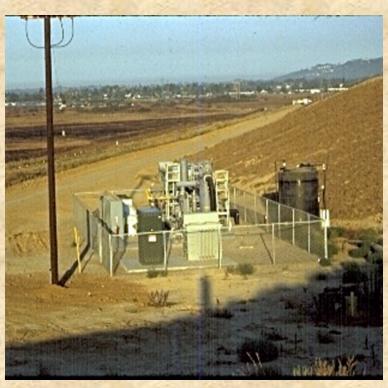


NORTH CITY COGEN FACILITY





NCCF COMPRESSOR STATION



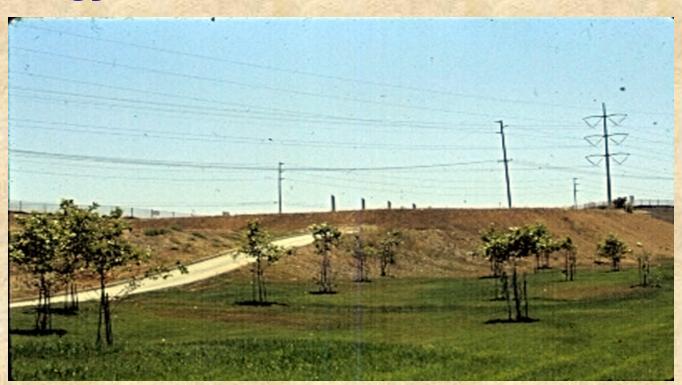








NORTH CITY COGEN FACILITY



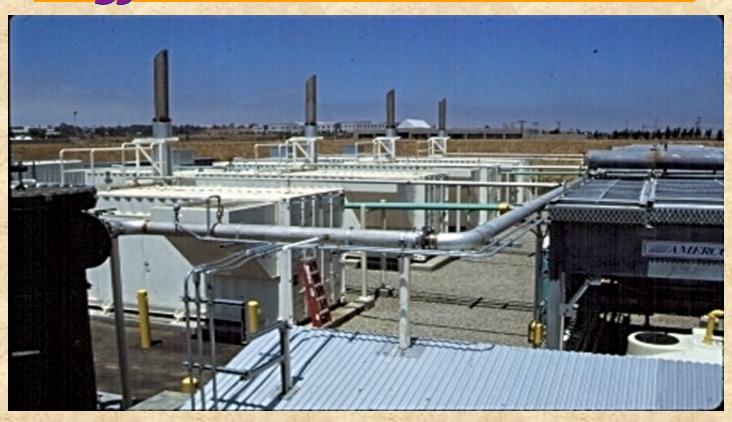


3.8 MW SMALL POWER PRODUCER





FOUR CAT 950KW 3516S



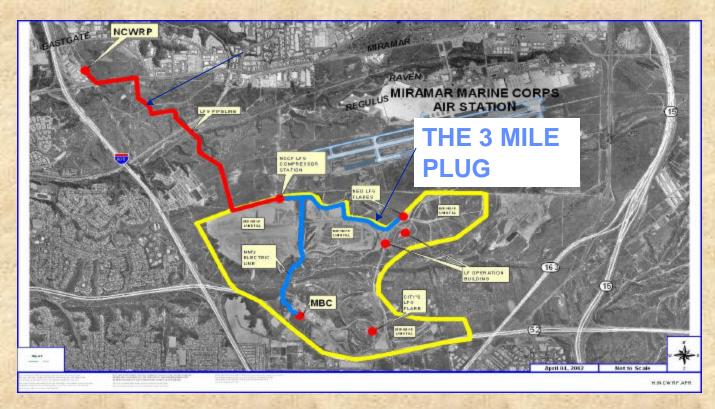


NCWRP ARCHITECTURE





THE RACE





OVER THE "RIVER"





TOGETHERNESS





MORE LEMONADE



NCWRP IS
CURRENTLY
SAVING
MWWD
\$2.3M/YR &
PROVIDING
OVER 8% TO
INSTALL LFG
SYSTEM



THE PARTNERSHIP

